



Docket No.: 50353-624

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : Customer Number: 20277
: :
Munekatsu SHIMADA, et al. : Confirmation Number: 3529
: :
Serial No.: 10/705,235 : Group Art Unit: 1742
: :
Filed: November 12, 2003 : Examiner: To be Assigned
: :

For: Nd-Fe-B TYPE ANISOTROPIC EXCHANGE SPRING MAGNET AND METHOD OF
PRODUCING THE SAME

INFORMATION DISCLOSURE STATEMENT

Mail Stop IDS
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached form PTO-1449. It is respectfully requested that the documents be expressly considered during the prosecution of this application, and that the documents be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

The relevance of each non-English language reference, if any, is discussed in the present specification.

10/705,235

Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 500417 and please credit any excess fees to such deposit account.

Respectfully submitted,

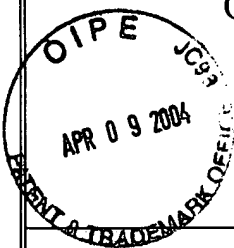
MCDERMOTT, WILL & EMERY

A handwritten signature in black ink, appearing to read 'John A. Hankins', written over the printed name.

John A. Hankins
Registration No. 32,029

600 13th Street, N.W.
Washington, DC 20005-3096
(202) 756-8000 JAH:mcw
Facsimile: (202) 756-8087
Date: April 9, 2004

INFORMATION DISCLOSURE CITATION IN AN APPLICATION



(PTO-1449)

 ATTY. DOCKET NO.
50353-624

 SERIAL NO.
10/705,235

 APPLICANT
Munekatsu SHIMADA, et al.

 FILING DATE
November 12, 2003

 GROUP
1742

U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US			
		US			
		US			
		US			

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	Foreign Patent Document Country Codes-Number 4-Kind Codes (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Figures Appear	Translation	
						Yes	No
		JP 7-173501 (w/ English Abstract)	07/11/1995	SUMITOMO SPECIAL METALS CO., LTD.			
		JP 7-176417 (w/ English Abstract)	07/14/1995	SUMITOMO SPECIAL METALS CO., LTD.			
		JP 11-8109 (w/ English Abstract)	01/12/1999	SHIN ETSU CHEM. CO., LTD.			
		JP 11-97222 (w/ English Abstract)	04/09/1999	SHIN ETSU CHEM. CO. (US)			
		JP 2000-235909 (w/ English Abstract)	08/29/2000	SHIN ETSU CHEM. CO., LTD.			

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER'S INITIALS	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		M. SAGAWA et al., "Nd-Fe-B Permanent Magnet Materials", Japanese Journal of Applied Physics, Vol. 26, No. 6, June 1987, pages, 785-800.
		R. W. LEE, "Hot-pressed neodymium-iron-boron magnets", Applied Physics Letter, 46, (8), 15 April 1985, pages 790-791.
		T. Takeshita et al., "Magnetic Properties and Microstructures of the NdFeB Magnet Powder Produced by Hydrogen Treatment", Proc. 10th Int. Workshop on Rare-Earth Magnets and Their Applications, Kyoto, (1989) pages 551-557.
		E. F. KNELLER et al., "The Exchange-Spring Magnet: A New Material Principle for Permanent Magnets", IEEE Transactions on Magnets, Vol. 27, No. 4, July 1991, pages 3588-3600.
		R. SKOMSKI et al., "Giant energy product in nanostructured two-phase magnets", Physical Review B, Vol. 48, No. 21, 1 December 1993, 15812-15816.
		R. COELHOORN et al., "Oxide Permanent Magnetic Materials Made by Rapid Quenching", Journal de Physique, 49, (1988), C8-669.
		L. WITHANAWASAM et al., "Nanocomposite R ₂ Fe ₁₄ B/Fe exchange coupled magnets", J. Appl. Phys. 76(10), 15 November 1994, pages 7065-7067.

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.